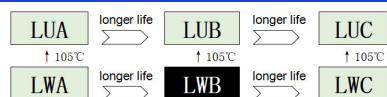


# Screw terminal capacitor



## LWB Series (85°C for 5000 hours)



- RoHS requirements.
- 85°C 5000 hours series, large ripple resistant product
- Used for switching power supply, inverters, laser spot welders, and other industrial products.

### Product description

Item	Characteristic	
Operating temperature range	-40°C~+85°C	-25°C~+85°C
Rated voltage(WV/V)	350V~450V	460V~500V
Capacitance(CAP/C)	1000~22000	
Tolerance(CAP/C)	±20% (25°C, 120Hz)	
Leakage current LC/(25°C, 120Hz)	LC≤0.01CV(μA) or 5mA, take the smaller value (25°C, 5minutes)C=Nominal capacitance(μF), V=Working voltage(V)	
Dissipation factor DF/tanδ(25°C, 120Hz)	350~500	
	≤0.20	
Temperature characteristics (Capacitance ratio at 120Hz)	C(-40°C/C(+25°C))≥0.6	
	C(-25°C/C(+25°C))≥0.7	

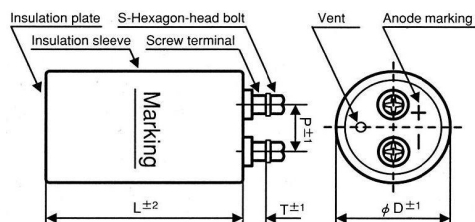
	Working lifetime		Standard lifetime	Durability	High temperature storage	
Load time	12000h	>150000h	5000h	5000h	1000h	
Leakage current LC/(25°C, 120Hz)	Within the rated specification value.		Within the rated specification value.	Within the rated specification value.	Within the rated specification value.	
Capacitance change	Within ±30% of initial value		Within ±20% of initial value	Within ±20% of initial value	Within ±20% of initial value	
Dissipation factor	Within 300% of rated specification value		Within 200% of rated specification value	Within 200% of rated specification value	Within 200% of rated specification value	
Environmental condition: Applied voltage	UR	UR	UR	UR	UR=0	Apply rated working voltage for 60 minutes, and conduct the test after 24-hour recovery.
Applied current	IR	1.2×IR	IR	IR=0	IR=0	
Application temperature	85°C	40°C	85°C	85°C	85°C	

### Ripple current correction factor

Frequency	50/60Hz	120Hz	300KHz	1KHz	≥10KHz	Temperature °C				
Coefficient	0.80	1.00	1.18	1.30	1.40	40	60	70	85	
						Coefficient	2.24	1.81	1.56	1.0

Aluminum electrolytic capacitors age as they heat up and temperature rises when ripple current is superimposed. Using at higher temperatures will reduce product life. To maintain product life, please reduce ripple current during use.

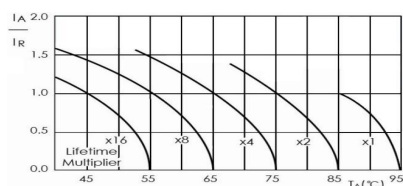
### Drawing unit: mm



Capacitors with screw terminals series

ΦD±1	P±1	S±0.5	T±1	CAP material
36	12.7	M5×10	6	EP
51	22	M5×10	6	EP
64	28.6	M5×10	6	EP
77	31.4	M5×10	6	EP
90	31.4	M5×10	6	EP
101	41.5	M8×17	10	EP

### Life curve



Multiplier of useful life as a function of ambient temperature and ripple current load I A : actual ripple current at 120Hz, IR: rated ripple current at 120Hz 85°C

■ LWB series:85°C 5000 hours screw large ripple resistant capacitor

WV	CAP 25°C, 120Hz	DF 25°C, 120Hz	Max ESR 25°C, 120Hz	ESR (typ.) 25°C, 120Hz	Rated Ripple Current 85°C, 120Hz	Size D×L	Code P/N	
(V.DC)	(μF)	-	(mΩ)	(mΩ)	(Arms)	(mm)	-	
350 2V (400)	2700	0.20	74	36	11.5	64 x 96	LWB2V272MD096***	
	2700	0.20	46	23	9.9	64 x 115	LWB2V272MD115***	
	3300	0.20	40	20	11.2	64 x 115	LWB2V332MD115***	
		0.20	40	20	11.6	64 x 135	LWB2V332MD135***	
	3900	0.20	34	17	12.8	64 x 135	LWB2V392MD135***	
		0.20	34	17	13.3	77 x 96	LWB2V392ME096***	
	4700	0.20	28	14	14.6	77 x 115	LWB2V472ME115***	
		0.20	24	12	16.8	77 x 115	LWB2V562ME115***	
	5600	0.20	24	12	17.3	77 x 130	LWB2V562ME130***	
		0.20	20	10	18.8	77 x 130	LWB2V682ME130***	
	6800	0.20	20	10	19.6	77 x 155	LWB2V682ME155***	
		0.20	18	9	22.4	77 x 155	LWB2V822ME155***	
	10000	0.20	14	7	28.4	90 x 130	LWB2V103MF130***	
	12000	0.20	12	6	29.9	77 x 170	LWB2V123ME170***	
		0.20	12	6	32.2	90 x 130	LWB2V123MF130***	
	15000	0.20	10	5	36.2	90 x 157	LWB2V153MF157***	
	18000	0.20	8	5	40.6	90 x 196	LWB2V183MF196***	
	22000	0.2	7	4	47.1	90 x 220	LWB2V223MF220***	
	400 2G (450)	1800	0.20	68	34	7.6	51 x 80	LWB2G182MC080***
		2200	0.20	56	28	9.1	64 x 96	LWB2G222MD096***
2700		0.20	46	23	10.5	64 x 115	LWB2G272MD115***	
		0.20	46	23	10.6	77 x 96	LWB2G272ME096***	
3300		0.20	38	19	12.6	64 x 135	LWB2G332MD135***	
		0.20	38	19	12.5	77 x 96	LWB2G332ME096***	
3900		0.20	32	16	13.5	77 x 96	LWB2G392ME096***	
4700		0.20	28	14	15.4	77 x 96	LWB2G472ME096***	
		0.20	28	14	16.5	77 x 115	LWB2G472ME115***	
5600		0.20	24	12	17.2	77 x 130	LWB2G562ME130***	
		0.20	24	12	18.1	77 x 155	LWB2G562ME155***	
6800		0.20	20	10	20.8	77 x 155	LWB2G682ME155***	
8200		0.20	18	9	23.4	77 x 155	LWB2G822ME155***	
10000		0.20	14	7	27.1	77 x 170	LWB2G103ME170***	
		0.20	14	6	29.2	90 x 157	LWB2G103MF157***	
12000		0.20	12	6	31.5	77 x 196	LWB2G123ME196***	
		0.20	12	6	32.6	90 x 157	LWB2G123MF157***	
15000		0.20	10	5	37.2	77 x 236	LWB2G153ME236***	
		0.20	10	5	38.5	90 x 170	LWB2G153MF170***	
18000		0.20	9	5	42.6	90 x 196	LWB2G183MF196***	
450 2W (500)	1500	0.2	112	56	7.1	64 x 96	LWB2W152MD096***	
	1800	0.2	94	47	8.0	64 x 115	LWB2W182MD115***	
	2200	0.2	78	39	9.2	64 x 115	LWB2W222MD115***	
		0.2	78	39	9.7	64 x 135	LWB2W222MD135***	
	2700	0.2	66	33	10.5	64 x 135	LWB2W272MD135***	
		0.2	66	33	10.9	77 x 96	LWB2W272ME096***	
	3300	0.2	56	28	12.1	64 x 145	LWB2W332MD145***	
		0.2	48	24	13.9	64 x 145	LWB2W392MD145***	
	3900	0.2	48	24	15.2	77 x 115	LWB2W392ME115***	
		0.2	40	20	15.5	77 x 130	LWB2W472ME130***	
	4700	0.2	40	20	16.9	77 x 155	LWB2W472ME155***	
		0.2	34	17	18.2	77 x 155	LWB2W562ME155***	
5600	0.2	34	17	19.4	90 x 130	LWB2W562MF130***		

WV	CAP 25°C, 120Hz	DF 25°C, 120Hz	Max ESR 25°C, 120Hz	ESR (typ.) 25°C, 120Hz	Rated Ripple Current 85°C, 120Hz	Size D×L	Code P/N	
(V.DC)	(μF)	-	(mΩ)	(mΩ)	(Arms)	(mm)	-	
450 2W (500)	6800	0.20	28	14	21.5	77 x 170	LWB2W682ME170***	
		0.20	28	14	24.3	90 x 130	LWB2W682MF130***	
	8200	0.20	24	12	24.5	77 x 170	LWB2W822ME170***	
		0.20	24	12	27.5	90 x 130	LWB2W682MF130***	
	10000	0.20	20	10	29.2	77 x 195	LWB2W103ME195***	
		0.20	20	10	30.3	90 x 157	LWB2W682MF157***	
	12000	0.20	17	8.5	33.4	77 x 220	LWB2W123ME220***	
		0.20	17	8.5	34.6	90 x 170	LWB2W682MF170***	
	15000	0.20	14	6.8	39.8	90 x 196	LWB2W153MF196***	
	500 2H (550)	1000	0.20	176	88	6.1	51 x 80	LWB2H102MC080***
		1200	0.20	146	73	7.0	51 x 100	LWB2H122MC100***
		1500	0.20	120	60	8.1	64 x 96	LWB2H152MD096***
0.20			120	60	8.2	64 x 115	LWB2H122MD115***	
1800		0.20	102	51	9.3	64 x 96	LWB2H182MD096***	
2200		0.20	86	43	10.6	64 x 115	LWB2H222MD115***	
		0.20	86	43	11.0	77 x 96	LWB2H182ME096***	
2700		0.20	72	36	12.2	64 x 115	LWB2H272MD115***	
3300		0.20	60	30	14.1	77 x 105	LWB2H332ME105***	
3900		0.20	52	26	16.5	77 x 130	LWB2H392ME130***	
		0.20	42	21	18.8	77 x 145	LWB2H472ME145***	
4700		0.20	42	21	19.2	90 x 130	LWB2H392MF130***	
5600	0.20	38	19	21.4	90 x 157	LWB2H562MF157***		
6800	0.20	32	16	24.6	90 x 145	LWB2H682MF145***		
8200	0.20	26	13	28.5	90 x 170	LWB2H822MF170***		
10000	0.20	22	11	32.9	90 x 196	LWB2H103MF196***		
12000	0.20	20	10	34.7	90 x 220	LWB2H123MF220***		

\*\*\*\* Indicates terminal type, length, and sleeve color;

Your company needs to know more about the product specifications, dimensions and other related data. If not all are listed, you can contact us by phone, WeChat or other tools to understand.

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